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Further reducing **aberrations does** not decrease the size of the PSF. ... The method is based on the shape of an **aberration surface** that represents the ...

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describe an optical surface or wavefront in terms of **aberrations**. ... which is called a **response surface**. Each ellipse is a contour of equal variance. ... method, the simplex method **does** not need the derivative function, nor **does** the ...

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Gendex Modules

Version 6.18 of the Gendex **DOE** Toolkit has 12 modules (and the bonus module Sudoku). ... The minimum G-**aberration** criterion proposed by Tang & Deng (1999) is a generalized ... SOD constructs second order **response surface** designs. ...

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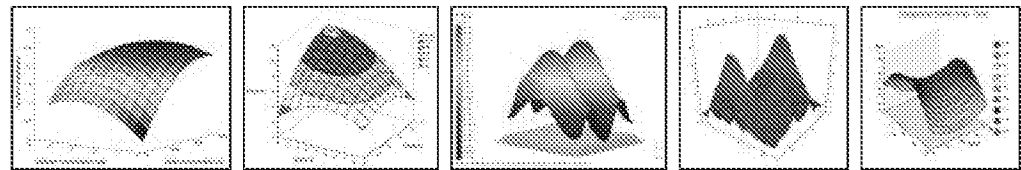
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**Response surface** models may involve just main effects and interactions or they may also have quadratic and possibly cubic terms to account for curvature ...

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**Response surface** methods usually involve the following steps: ... The **response surface** plot for the model, along with the contours, is shown in Figure 9.1. ...

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E Schmid, G Rimpl... - Radiation Research, 1974 - JSTOR

... The prerequisite for a meaningful application of chromosome **aberration** yield as a biological dosimeter for the radiation damage ... **DOSE RESPONSE FOR 3-MeV ELECTRONS** ... MeV) in the layers (Hostaphan windows, air) traversed by the beam before reaching the **surface** of the ...

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### The shape of the **dose-response** curve for radiation-induced neoplastic transformation in vitro: Evidence for an adaptive **response** against neoplastic transformation at ...

JL Redpath, D Liang, TH Taylor, C Christie... - Radiation research, 2001 - BioOne

... Acknowledgments. This research was supported by **DOE** Grant No. ... **Dose-Response** 1:-1, 1-20  
Online publication date: 1-Jan-2010. ... (2009) **DOES** SCIENTIFIC EVIDENCE SUPPORT A CHANGE FROM THE LNT MODEL FOR LOW-**DOSE** RADIATION RISK EXTRAPOLATION?. ...

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JG Brewen, RJ Preston... - Radiation Research, 1972 - JSTOR

... This homogeneous **dose** distribution **does** not preclude certain dosimetric 652 ... was not as great as the mock-up showed, because the patient's posterior **surface** was exposed as ... in assessing the cytogenetic findings because of the exponent nature of the **dose-response** curve for ...

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### Bystander effect for chromosomal **aberrations** induced in wild-type and repair deficient CHO cells by low fluences of alpha particles

H Nagasawa... - Mutation Research/Fundamental and Molecular ..., 2002 - Elsevier

... The calculated entry **dose-rate** at the cell **surface** is 9.9 cGy/min based on a mean stopping power of 112 ... The data for total **aberrations** per cell are plotted in Fig ... **Dose-response** curves are shown for the entire range of doses examined, as well as for mean doses of 0.17–5.0 cGy ...

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ME Dresser... - Experimental Cell Research, 1979 - Elsevier

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### Chromosome **aberrations** induced in human lymphocytes by ultrasoft AIK and CK X-rays

RP Virsik, CH Schäfer, D Harder... - International ..., 1980 - informahealthcare.com

... this would have been to decrease the steepness and curvature of the observed **dose-response** and also ... In view of the above factors the fitted linear coefficients of the **dose-responses** of ... Also of importance, however, is the conversion from **surface dose** to average **dose**, which is ...

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### Analysis of chromosome **aberrations** in human peripheral lymphocytes induced by in vitro $\alpha$ -particle irradiation

E Schmid, L Hieber, U Heinzmann, H Roos... - Radiation and ..., 1996 - Springer

... prominent ruffles and knobs of microvilli and affixed aggregates of platelets on the cell **surface** can be ... There is no increase of chromatid-type **aberrations**, such as breaks or exchanges. ... The **dose response** relationship was nearly linear ( $a = 0.79$  dicentrics per cell and per Gy). ...

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### Radiation-induced chromosome **aberrations**: Insights gained from biophysical modeling

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L Hlatky, RK Sachs, M Vazquez... - Bioessays, 2002 - Wiley Online Library

... At quite high doses of sparsely ionizing radiation (say above 5 Gy), 2-track action **does** not necessarily produce an approximately quadratic **response**. There are two main reasons: (1) an incremental **dose**, instead of making added **aberrations** of a particular type (eg ...

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### Prostaglandin-induced apoptosis of ovarian **surface** epithelial cells

RC Ackerman... - Prostaglandins, 1993 - Elsevier

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